

EI 300

Light weight, high performance power amplifier

NOT AVAILABLE IN NORTH AMERICA

features

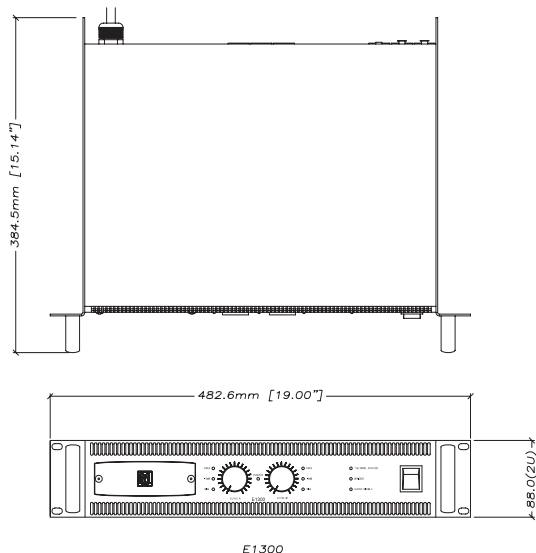
- ▶ Plug-in front panel module facility
- ▶ High frequency switching power supply
- ▶ Versatile input connections
- ▶ Dual fan 4-stage thermal control
- ▶ Advanced protection circuits
- ▶ Custom heat exchanger
- ▶ Dual die output devices

applications

- ▶ Live sound reinforcement
- ▶ Fixed installations

The EI 300 features a high-frequency switching power supply, with on-board intelligent control providing very high performance in a lightweight 9.5kg, 2U package. This amplifier also has a plug-in module facility located behind an easily removable front panel section, which obviates the need for costly stand-alone dedicated controllers in many applications.

overall dimensions



technical specifications

MAX OUTPUT POWER

EIA AT 1 kHz AND 1% THD	
8Ω PER CHANNEL	400 W
4Ω PER CHANNEL	720 W
2Ω PER CHANNEL	1190 W
8Ω BRIDGED	1400 W

DISTORTION

THD 20Hz – 20kHz AND 1 W TO FULL POWER	0.08%
THD AT 1kHz 1dB BELOW CLIP	0.1%

SIGNAL + NOISE/NOISE RATIO > -100dB 20Hz-20kHz

CHANNEL SEPARATION @ 10kHz > 65dB

OUTPUT IMPEDANCE 22 mΩ

SLEW RATE 70 V/μs

INPUT SENSITIVITY Selectable 0.775mV (36dB gain) or 1.23V (32dB gain)

INPUT IMPEDANCE 20 kΩ differential, 10 kΩ single ended

FREQUENCY RESPONSE 7Hz–46kHz +0dB / -3dB

FREQUENCY BANDWIDTH 10Hz-40kHz +0dB / -0.5dB

FRONT PANEL

GAIN CONTROLS	2 x Rotary Control
INDICATORS: POWER ON	Red LED
INDICATORS: SIGNAL LEVEL	Green LED
INDICATORS: -3dB	Yellow LED
INDICATORS: LIMIT	Red LED
INDICATORS: BRIDGE	Yellow LED
INDICATORS: THERMAL	Red LED
INDICATORS: CARD ENABLE	Green LED

REAR PANEL

INPUT CONNECTORS	XLR-female
LINK CONNECTOR	XLR-male
OUTPUT CONNECTORS	3 x 4 pole Speakon
POWER	230V Setting 115V Setting
OPERATION VOLTAGE	180-250V 90-125V
SOFT START	Yes Yes
PEAK INRUSH CURRENT	11.8A 23A
MIN START VOLTAGE	140V 70V
CURRENT DRAW AT 4Ω	230V Setting 115V Setting
QUIESCENT POWER (NO LOAD)	0.9A rms 1.8A rms
1/8 OF FULL POWER (-9dB)	4.8A rms 9.6A rms
1/3 OF FULL POWER (-5dB)	7.2A rms 14A rms

DIMENSIONS

WIDTH	483mm (19ins)
HEIGHT	88mm (3.5ins) 2U
DEPTH	385mm (15.2ins)
WEIGHT	9.5kg (20.9lbs)

Century Point, Halifax Road, Cressex Business Park,
High Wycombe, Buckinghamshire HP12 3SL, England.
Telephone: +44 (0)1494 535312 Facsimile: +44 (0)1494 438669
E-mail: info@martin-audio.com
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